


product description

Glass fiber-optic cable, preferred length, preassembled

Indoor Fiber Optic (62.5/125), halogen-free, non-crush and flame-retardant fiber-optic internal cable assembled with 4 BFOC connectors Length 15 m



| | |
|--|---|
| suitability for use | Non-crush, halogen-free and flame-retardant cable for indoor installation |
| version of the assembled FO cable | Assembled with four BFOC connectors |
| cable designation | I-V(ZN)HH 2x1 G 62,5/125 OM1 |
| wire length | 15 m |
| optical data | |
| attenuation factor per length | |
| • at 850 nm / maximum | 3.1 dB/km |
| • at 1300 nm / maximum | 0.8 dB/km |
| bandwidth length product | |
| • at 850 nm | 200 GHz·m |
| • at 1300 nm | 600 GHz·m |
| mechanical data | |
| number of fibers / per FOC core | 1 |
| number of FO cores / per FOC cable | 2 |
| version of the FO conductor fiber | Multimode graded-index fiber 62.5/125 µm, OM 1 |
| design of the FOC core | Solid core, diameter 900 µm |
| design of the fiber-optic cable | Segmentable inner conductor |
| outer diameter | |
| • of the optical fibers | 62.5 µm |
| • of the optical fiber sheath | 125 µm |
| • of the FOC core sheath | 2.9 mm |
| symmetrical deviation / of the outer diameter of the FOC core sheath | 0.1 mm |
| width / of cable sheath | 6.8 mm |
| thickness / of cable sheath | 3.9 mm |
| material | |
| • of the fiber-optic cable core | Quartz glass |
| • of the optical fiber sheath | Quartz glass |
| • of the FOC core sheath | FRNC |
| • of the fiber-optic cable sheath | FRNC |
| • of the strain relief | Aramid fibers |
| color | |
| • of the FOC core sheath | gray |
| • of cable sheath | orange |
| bending radius | |
| • with single bend / minimum permissible | 30 mm |
| • with multiple bends / minimum permissible | 50 mm |
| tensile load | |
| • during installation / short-term | 800 N |

| | |
|---|--|
| <ul style="list-style-type: none"> during operation / maximum | 200 N |
| short-term shear force per length | 300 N/cm |
| continuous shear force per length | 100 N/cm |
| weight per length | 30 kg/km |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport during installation | -20 ... +60 °C -25 ... +70 °C -25 ... +70 °C -5 ... +50 °C |
| fire behavior | flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A) |
| chemical resistance | |
| <ul style="list-style-type: none"> to mineral oil to grease | acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h and +25 °C, 168 h not resistant |
| radiological resistance / to UV radiation | not resistant |
| protection class IP | IP20 |
| product features, product functions, product components / general | |
| product feature | |
| <ul style="list-style-type: none"> halogen-free silicon-free | Yes Yes |
| product component / rodent protection | No |
| wire length | |
| <ul style="list-style-type: none"> for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum for glass FOC / with PROFIBUS / maximum | 4000 m 350 m 550 m 3000 m |
| standards, specifications, approvals | |
| certificate of suitability | |
| <ul style="list-style-type: none"> RoHS conformity | Yes |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Selection guide for cables and connectors to website: Image database to website: CAx-Download-Manager to website: Industry Online Support | http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com |
| last modified: | 5/20/2021  |